

MEMORANDUM

To: Board of Regents

From: Board Office

Subject: Honorary Doctorate of Science Degree for M. Daniel Lane at Fall Commencement

Date: November 4, 2002

Recommended Action:

Approve award of an honorary doctorate of science degree to M. Daniel Lane at Fall Commencement 2002.

Executive Summary:

Pioneering
Contributions to
Biochemistry and
Nutrition

Iowa State University requests approval to award an honorary doctorate of science degree to M. Daniel Lane. The University wishes to recognize Dr. Lane for his pioneering contributions to and leadership in the fields of biochemistry and nutrition. Dr. Lane has received much prestigious recognition for his work, including election to the National Academy of Science, the American Academy of Arts and Sciences, and the American Society for Nutritional Sciences; he has served as President of the American Society of Biochemistry and Molecular Biology.

Dr. Lane has focused his research on understanding the basic mechanisms of fatty acid synthesis, adipogenesis, and the consequence of aberrations in these processes, most notably obesity. Indeed, the work of Dr. Lane and his research group in molecular mechanisms responsible for the development of adipose tissue in mammals forms the basis of our understanding of the differentiation of this important tissue. Dr. Lane also has performed ground-breaking work in insulin signaling and in mechanisms underlying diabetes.

Many
Contributions
to Research

Dr. Lane has made prolonged, myriad, and remarkable contributions to research. This includes:

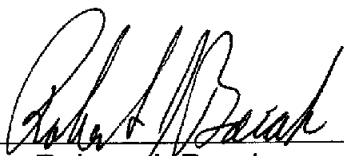
- ❑ More than 260 published papers in refereed journals,
- ❑ Membership on the editorial boards of:
 - *Biochemica et Biophysica Acta*,
 - *Journal of Biological Chemistry*,
 - *Archives of Biochemistry and Biophysics*,
 - *Annual Reviews of Biochemistry*, and
 - *Cytobiology*
- ❑ Served as chair of advisory committees at:
 - The National Institutes of Health,
 - The Howard Hughes Medical Institute, and
 - Other important institutions for American science.

One senior colleague noted that "his wisdom and good judgment are often in demand."

B.S. and M.S.
from ISU

Dr. Lane received his B.S. and M.S. degrees from Iowa State University and his Ph.D. from the University of Illinois. He has served on the faculty of the Virginia Polytechnic Institute, the New York University School of Medicine, and, since 1970, The Johns Hopkins University School of Medicine. Dr. Lane is very proud of the degrees he earned from Iowa State University, and many colleagues have heard him speak positively of the training and mentorship he received and the role that this education and support played in his scholarly development

- ❑ The Department of Biochemistry, Biophysics, and Molecular Biology and the Department of Animal Science have nominated Dr. Lane for the honorary degree.
- ❑ The Faculty Senate Honorary Degrees Committee unanimously supported the recommendation, as did the Faculty Senate Executive Board.
- ❑ The Office of the Provost also supports the recommendation, which President Gregory Geoffroy is pleased to present to the Board of Regents, State of Iowa.


Robert J. Barak

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Approved: 
Gregory S. Nichols